

REMARKS

Claims 1-17, 21-22 and 27-29 are now presented for examination. Claims 18-20 and 23-26 have been canceled, and new Claim 29 has been added.

Claims 1, 5, 14 and 17 have been amended. Specifically, Claim 1 has been amended such that the third method step now recites "covering the sidewall of the trench above the dopant source with a second material." New Claim 29 recites that "the sidewall of the trench is covered by forming a dielectric collar on the sidewall above the dopant source." Claim 17 has been amended to be dependent from Claim 1, and it now recites "that sidewall of the trench is covered by depositing the second material on the dopant source, thereby filling the remainder of the trench and covering the sidewall of the trench above the dopant source." Claim 5 has been amended to be dependent from Claim 29, and Claim 14 has been amended to provide proper antecedent basis.

The amendments and new claim presented herein are fully supported by the specification and drawings as originally filed. Specifically, the amendment to Claim 1 is supported by the specification at paragraphs 38 and 46, and by Figures 2(e) and 3(d), wherein it is disclosed that the sidewall of the trench may be covered either by forming a dielectric collar on the sidewall above the dopant source, or by depositing the second material on the dopant source, thereby filling the remainder of the trench and covering the sidewall of the trench above the dopant source. New Claim 29 is supported by original Claim 1. No new matter has been added.

In the Office Action mailed January 15, 2004, election of one of the following two species is required: a first embodiment represented by Figures 2(a)-2(i), and a second embodiment represented by Figures 3(a)-3(e). Election of one of these two species is required for prosecution on the merits, to which the claims shall be restricted if no generic claim is finally held to be allowable.

In response to this election of species requirement, Applicants hereby elect the first embodiment, represented by Figures 2(a)-2(i). Claims 5-7 and 29 read on

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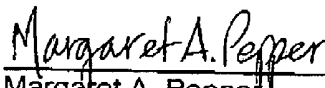
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the first embodiment. Claims 1-4, 8-16 and 27-28 are generic. Claims 17 and 21-22 read on the second (non-elected) embodiment.

No fee is believed to be due for the submission of this amendment and response. If any fees are required, however, the Commissioner is authorized to charge such fees to Deposit Account No. 09-0458.

Respectfully Submitted,



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